

4 438/158 (2 OR, 2 XR)

Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/142 MAKING FIELD EFFECT DEVICE HAVING PAIR OF  
ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR  
ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS

438/149 .On insulating substrate or layer (e.g., TFT,  
etc.)

438/151 ..Having insulated gate

438/158 ...Inverted transistor structure

4 438/586 (1 OR, 3 XR)

Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY  
CONDUCTIVE MATERIAL

438/585 ..Insulated gate formation

438/586 ..Combined with formation of ohmic contact to  
semiconductor region

3 148/DIG 9 (0 OR, 3 XR)

Class 148 : METAL TREATMENT

148/DIG 9 BI-MOS

3 257/59 (1 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/49 NON-SINGLE CRYSTAL, OR RECRYSTALLIZED,  
SEMICONDUCTOR MATERIAL FORMS PART OF ACTIVE JUNCTION  
(INCLUDING FIELD-INDUCED ACTIVE JUNCTION)

257/52 ..Amorphous semiconductor material

257/57 ..Field effect device in amorphous  
semiconductor material

257/59 ...In array having structure for use as imager  
or display, or with transparent electrode

3 349/44 (1 OR, 2 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/19 PARTICULAR EXCITATION OF LIQUID CRYSTAL

349/33 ..Electrical excitation of liquid crystal (i.e.,  
particular voltage pulses, AC vs. DC, threshold voltages,  
etc.)

349/41 ..With particular switching device

349/42 ...Transistor

349/43 ....Structure of transistor

349/44 .....With light block conductively connected to  
transistor

3 438/151 (1 OR, 2 XR)

Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/142 MAKING FIELD EFFECT DEVICE HAVING PAIR OF  
ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR  
ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS

438/149 .On insulating substrate or layer (e.g., TFT,  
etc.)

438/151 ..Having insulated gate

3 438/624 (2 OR, 1 XR)  
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY  
CONDUCTIVE MATERIAL

438/597 .To form ohmic contact to semiconductive  
material

438/618 ..Contacting multiple semiconductive regions  
(i.e., interconnects)

438/622 ...Multiple metal levels, separated by  
insulating layer (i.e., multiple level metallization)

438/624 ....Separating insulating layer is laminate or  
composite of plural insulating materials

3 438/637 (0 OR, 3 XR)  
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY  
CONDUCTIVE MATERIAL

438/597 .To form ohmic contact to semiconductive  
material

438/618 ..Contacting multiple semiconductive regions  
(i.e., interconnects)

438/622 ...Multiple metal levels, separated by  
insulating layer (i.e., multiple level metallization)

438/637 ....With formation of opening (i.e., viahole)  
in insulative layer

2 148/DIG 124 (0 OR, 2 XR)  
Class 148 : METAL TREATMENT  
148/DIG 124 POLYCRYSTALLINE EMITTER

2 257/296 (1 OR, 1 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/213 FIELD EFFECT DEVICE  
257/288 .Having insulated electrode (e.g., MOSFET, MOS  
diode)  
257/296 ..Insulated gate capacitor or insulated gate  
transistor combined with capacitor (e.g., dynamic memory  
cell)

2 257/350 (1 OR, 1 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/213 FIELD EFFECT DEVICE  
257/288 .Having insulated electrode (e.g., MOSFET, MOS  
diode)  
257/347 ..Single crystal semiconductor layer on  
insulating substrate (SOI)  
257/350 ...Insulated electrode device is combined with  
diverse type device (e.g., complementary MOSFETs, FET with  
resistor, etc.)

2 257/369 (1 OR, 1 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/213 FIELD EFFECT DEVICE

PLUS Search Results for S/N 09/952,418, Searched May 10, 2002 (Top 50)

5875020	5376812	5334860	5818550	5953583
5663582	5439846	5485019	5849611	6016174
5895956	5555044	5519464	5888855	6074915
6130461	5555043	5624582	5894139	6088070
5204274	5643811	5627384	5897344	6103572
5318917	5668065	5641692	5897377	6147375
5693964	5793114	5658806	5899739	6162720
6010955	4811078	5733804	5926735	6180438
4814854	4868137	5804476	5943107	4380481
4931411	4984055	5808346	5946240	4413403

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09/952,418 on May 10, 2002

Combined Classifications

4 438/158  
4 438/586  
3 148/DIG 9  
3 257/59  
3 349/44  
3 438/151  
3 438/624  
3 438/637  
2 148/DIG 124  
2 257/296  
2 257/350  
2 257/369  
2 257/370  
2 257/371  
2 257/372  
2 257/382  
2 257/412  
2 257/506  
2 257/57  
2 257/644  
2 257/72  
2 257/774  
2 257/915  
2 349/106  
2 349/122  
2 349/43  
2 360/241.3  
2 360/3  
2 396/319  
2 396/320  
2 438/149  
2 438/258  
2 438/301  
2 438/303  
2 438/368  
2 438/635  
2 438/669  
2 438/701